

CLAIMS

We claim:

1. A process for structuring a surface layer of an object comprising:
applying to the surface of the object bio-components that carry away surface material, the bio-components being contained in at least one of a nutrient and osmotic protective medium; and
removing the at least one of a nutrient and osmotic protective medium having the bio-components contained therein after the surface material is carried away from the object surface.
2. The process of claim 1 wherein the bio-components separate out a separation product and are adherently attached on the surface of the object in the at least one of a nutrient and osmotic protective medium, the process further comprising:
removing the at least one of a nutrient and osmotic protective medium with the bio-components contained therein after separating out the separation product from the object surface.
3. The process of claim 2 wherein at least one of the object and the surface layer comprises a non-biological material.
4. The process of claim 2 wherein the bio-components are attached to the surface of a solid material.
5. The process of claim 1 wherein the bio-components are adherently attached on the surface of the object in the at least one of a nutrient and osmotic protective medium in order to form a surface structure, the process further comprising:
removing the at least one of a nutrient and osmotic protective medium from the object surface after the bio-components are attached to the surface.
6. The process of claim 5 wherein the step of removing the at least one of a nutrient and osmotic protective medium further comprises rinsing off the object surface.

7 The process of claim 1 wherein the bio-components are adherently attached to the object surface.

8 The process of claim 1 wherein the bio-components are material-selective specialized for carrying away one or more materials contained on the object surface.

9 The process of claim 1 wherein the step of removing the at least one of a nutrient and osmotic protective medium with the bio-components contained therein further comprises rinsing off the object surface.

10. The process of claim 1 wherein at least one of the object and the surface layer of the object comprises a non-biological material.

11. The process of claim 1 wherein the bio-components and the at least one of a nutrient and osmotic protective medium are applied to the surface of a solid material.

12. The process of claim 1 wherein surface structure-selective bio-components are used in order to attach the bio-components to an area of the surface layer having a certain structure.